

**Collider-Accelerator Department (C-AD)**  
**Record of Decision from Senior Management Evaluation 9/14/05**

Annually senior C-AD management reviews its environmental (E) and occupational safety and health (OSH) performance, both qualitatively and quantitatively, in order to identify key improvement opportunities in implementation of ISO 14001 and OHSAS 18001 standards. Additionally, C-AD managers conduct an annual review of organizational performance versus objectives and measures as required in the SBMS Subject Area titled Integrated Assessment. This combined annual review:

1. analyzes performance versus the objectives/measures in the self-assessment program
2. analyzes indicators of performance such as results of Laboratory-wide assessments, external assessments (DOE), internal assessments (C-AD), occurrence reports, nonconformance reports, and Radiological Awareness Reports
3. involves staff sufficiently to ensure staff concerns and perspectives are included in the review
4. involves management, through the ALD, sufficiently to ensure management awareness of key organizational issues
5. identifies improvement actions and/or areas requiring further management attention.

The following is a list of improvement actions from the FY2005 Management Review at C-AD:

**Policy Commitments Related to OSHMS**

- Continue to repair Building 912 roof.
- Continue OHSAS 18001 registration.
- Continue to reduce repeated types of OSHA violations. The C-AD goal is zero repeat violations.
- Continue to perform arc flash calculations, as per NFPA 70E, for safe work distances from electrical devices. Ensure the most pressing areas have a high priority.
- Perform more baseline industrial hygiene surveys in FY06 as per the ISM assessment.
- Continue to remove potential sources of beryllium exposure at C-AD such as some types of non-magnetic tools.
- Promote the understanding that C-AD management recognizes the principles of a just culture and that increased awareness of injury statistics must not cause workers to be reluctant to report injuries.

- Continue to review work at C-AD for physical capabilities of the worker with consideration of age of the worker, and implement ergonomic methods to reduce potential injuries.
- Encourage the Laboratory to promote the advantages of having employees participate in periodic physicals at OMC.
- Encourage the Laboratory to capture required physical exams and the completion of a Job Assessment Form (JAF) for each employee in the BTMS training database.
- Encourage the OMC to use electronic forms for the JAF, including last year's data on the form.

### **Policy Commitments Related to EMS**

- Continue to archive data on activated soils.
- Continue to remove PCB capacitors at Linac and Building 912.
- Continue ISO 14001 registration.
- Ensure the focused plan being developed for 2006 for the regulators addresses the sampling required to monitor the g-2 plume in future years, and that the overall strategy is to reduce the sampling frequency commensurate with residual risk from the plume.
- Encourage the Laboratory to maintain continuous public outreach by informing outside groups about environmental success stories concerning the C-AD facilities.
- Encourage the Laboratory to promote positive aspects of the environmental successes at C-AD to the CAC and BER.

### **Achieving OSH Objectives and Measures**

- Continue to reduce injuries toward zero.
- Improve the pre-job briefing program to help reduce errors and injuries. Use Human Performance training to improve pre-job briefings so that briefings simultaneously promote less paper work, improve understanding of the tasks and create fewer errors.

## **Achieving EMS Objectives and Measures**

- Encourage the Laboratory to improve management oversight of new SBMS documents. This applies to both E and OSH related Subject Areas. The former SBMS Steering Committee has been disbanded in order to speed up the process of review and publication of requirements. Encourage the Laboratory to reinstate an expedited review that involves Department Chairs and Division Managers so that requirements are fully supported and understood.

## **Adequacy of OSH Programs**

- Continue to increase ESHQ productivity by streamlining C-AD management systems.
- Continue to improve housekeeping programs.
- Review Skill of the Worker jobs to ensure that they are low hazard jobs.
- Encourage the Laboratory to provide a real commitment about fire alarm/detection upgrades.
- Support the Laboratory effort to qualify Radiological Control Technicians so that they in turn may support the IH baseline work in anticipation of the ISM review in 2006 and the implementation of 10CFR851.
- Encourage the Laboratory to ensure that Skill of the Worker job requirements as defined in SBMS are being appropriately followed by Departments/Divisions; i.e., Departments/Divisions are ensuring these jobs are low hazard.

## **Adequacy of EMS Programs**

- None.

## **Suitability of OSH Objectives and Measures**

- Establish targets for preparation for the ISM review.
- Coordinate and closeout OSHA violations with PE.
- Establish targets to address removal of aging cable in the AGS Ring.
- Establish targets to prepare ERL and EBIS authorization documents.
- Encourage the Laboratory to establish performance measures to improve fire protection and to speed fire protection improvements.

- Encourage the Laboratory to identify, prioritize, and track OSHA violations at the lab level, especially those concerning infrastructure.

### **Suitability of EMS Objectives and Measures**

- Continue to upgrade C-AD cooling water systems to address Article 12 concerns.
- Identify a path to remove the 912A underground storage tank that holds fuel for the emergency generators.

### **OSH Policy Revisions**

- Continue to re-enforce worker involvement. For example, institute an annual Safety Week similar to the one performed in FY05 and improve the C-AD worker self-evaluation program by giving workers specific charges.
- If 10 CFR 851 is enacted, then implement policy to address any new or modified regulatory requirements. Establish targets to comply with 10CFR851.
- Encourage the Laboratory to combine multiple OSH related management systems into one system in order to increase productivity.

### **EMS Policy Revisions**

- None.

<u><i>Signature on File</i></u>	<u>9-26-05</u>
D. I. Lowenstein, Chairman, Collider-Accelerator Department	Date

<u><i>Signature on File</i></u>	<u>9-26-05</u>
S. Aronson, Associate Laboratory Director, High Energy and Nuclear Physics	Date